Title (en)

CLAPPER-TYPE ELECTROMAGNETIC RELEASE FOR MINIATURE CIRCUIT BREAKER

Title (de)

KLAPPENARTIGE ELEKTROMAGNETISCHE AUSLÖSUNG FÜR MINIATURSCHUTZSCHALTER

Title (fr)

DÉCLENCHEUR ÉLECTROMAGNÉTIQUE DE TYPE À CLAPET POUR DISJONCTEUR MINIATURE

Publication

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Application

EP 18870083 A 20181017

Priority

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Abstract (en)

[origin: EP3703097A1] A clapper-type electromagnetic release for a miniature circuit breaker is characterized by comprising an armature (1), a magnet yoke (2), a coil (3), an iron core (4), a shaft (5), and an armature torsion spring (6). The iron core (4) is mounted on the magnet yoke (2). The coil (3) is sleeved on the iron core (4). The armature (1) is mounted on the shaft (5) and can rotate around the shaft (5). The armature torsion spring (6) is mounted on the shaft (5). The armature torsion spring (6) presses against the armature (1), so that the armature (1) can be reset. In the clapper-type electromagnetic release for a miniature circuit breaker in the present invention, by means of the rotation of the armature, the armature is not closed in absorption and the circuit breaker mechanism is not tripped within a specified current range; and when the specified current range is exceeded, the armature is closed in absorption and the armature claps a lock, so that the circuit breaker mechanism is tripped, thereby improving the safety performance of the circuit breaker.

IPC 8 full level

H01H 71/24 (2006.01)

CPC (source: CN EP KR US)

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